

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (currently amended):** A magnetron comprising a
2 choke coil connected between a cathode terminal and a
3 capacitor, and cooperating with said capacitor to form an
4 LC filter circuit,

5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency
7 absorbing members located within windings thereof, an air-
8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in series
12 and said second core type inductor is between said first
13 core type inductor and said air-core inductor, and

14 said first core type inductor and said second core
15 type inductor are arranged via a gap having a width within
16 1mm to 6mm.

1 **Claim 2 (original):** A magnetron according to claim 1,
2 wherein frequency characteristics of said high-frequency
3 absorbing members of said first and second core type

4 inductors are different from each other.

1 **Claim 3 (original):** A magnetron according to claim 1,
2 wherein one of said first and second core type inductors is
3 formed with a high-density wound type choke coil, and the
4 other is formed with a low-density wound type choke coil.

1 **Claim 4 (original):** A magnetron according to claim 1,
2 wherein lengths of said first and second core type
3 inductors are different from each other.

1 **Claim 5 (original):** A magnetron according to claim 1,
2 wherein said high-frequency absorbing members located
3 within said windings of said first and second core type
4 inductors are connected via an insulating material located
5 on a position corresponding to said gap presented between
6 said first and the second core type inductors.

1 **Claim 6 (previously presented):** A magnetron comprising
2 a choke coil connected between a cathode terminal and a
3 capacitor, and cooperating with said capacitor to form an
4 LC filter circuit,

5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency

7 absorbing members located within windings thereof, an air-
8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in
12 series, and;

13 said first core type inductor and said second core
14 type inductor are arranged via a gap having a width within
15 1mm to 6mm;

16 wherein said high-frequency absorbing members located
17 within said windings of said first and second core type
18 inductors are connected via an insulating material located
19 on a position corresponding to said gap presented between
20 said first and the second core type inductors;

21 wherein said insulating material is made of a silicone
22 rubber based material.

1 **Claim 7 (previously presented):** A magnetron comprising
2 a choke coil connected between a cathode terminal and a
3 capacitor, and cooperating with said capacitor to form an
4 LC filter circuit,

5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency
7 absorbing members located within windings thereof, an air-

8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in
12 series, and;

13 said first core type inductor and said second core
14 type inductor are arranged via a gap having a width within
15 1mm to 6mm;

16 wherein said high-frequency absorbing members of said
17 first and second core type inductors are fixed within said
18 windings of the first and second core type inductors by
19 fixing means made of a silicone rubber based adhesive.

1 **Claim 8 (currently amended):** A choke coil, for being
2 connected between a cathode terminal and a capacitor, and
3 cooperating with said capacitor to form an LC filter
4 circuit of a magnetron, comprising;

5 first and second core type inductors having
6 respectively bar-like high-frequency absorbing members
7 located within windings thereof, and

8 an air-core inductor not having a high-frequency
9 absorbing member and connected to said cathode terminal,

10 wherein said first core type inductor, said second
11 core type inductor and said air-core inductor are connected

12 in series and said second core type inductor is between
13 said first core type inductor and said air-core inductor,
14 and
15 said first core type inductor and said second core
16 type inductor are connected via a gap having a width within
17 1mm to 6mm.